



## **Brion Andrew Dolan**

### **EDUCATION**

Texas A&M University-Corpus Christi  
Corpus Christi, Texas

B.S., Environmental Science (Biology Emphasis)

December 2003

Graduated Cum Laude (3.7/4.0 Grade Point Average)

Named to College of Science and Technology's Dean's List (Three Consecutive Semesters)

### **EXPERIENCE**

#### **TDI-Brooks International, College Station, TX**

Field Instrument Specialist / Geotechnical Laboratory Technician, December 2008 – present

- Assist with the installation and operation of multi-beam echosounder systems on company-owned vessels
- Assist with the navigation and positioning of vessels during offshore sediment sampling activities
- Collect subsurface sediment cores and perform multiple geotechnical analyses on samples while offshore
- Perform additional geotechnical analyses on samples in onshore laboratory
- Enter laboratory data into databases and ensure compliance of data with client specifications

#### **Science Applications International Corporation (SAIC), Bothell, Washington**

Marine Scientist and Field Manager, Aquatic and Environmental Sciences Division, April 2006 – August 2008

- Provided field sampling support for marine environmental monitoring efforts for government clients including the U.S. Army, the U.S. Navy, and the Washington State Departments of Ecology and Natural Resources
- Managed the logistics and data and sample collection for various surface and subsurface sediment characterization surveys, acoustic and visual seafloor surveys, water quality surveys, and benthic infauna surveys
- Coordinated with project managers, field staff, and chartered vessel captains to ensure project objectives were completed within budget and schedule constraints
- Provided technical writing support for regulatory compliance and permitting documents, project guidance documents, and data analysis and summary reports
- Managed office technical asset pool of vehicles, vessels, and oceanographic research equipment
- Trained new field staff in the use of sampling and surveying equipment and small craft operation

#### **Washington State Department of Ecology (WDOE), Lacey, Washington**

Marine Monitoring Specialist, Coastal and Estuarine Assessment Unit, February 2005 – April 2006

- Calibrated, deployed, and serviced ADCPs, CTDs, automated water samplers, and radio telemetry equipment
- Conducted field sampling for, and performed laboratory analyses of, several marine water quality parameters
- Prepared for and participated in multiple oceanographic research cruises aboard the University of Washington's R/V Clifford A. Barnes and the R/V Thomas G. Thompson
- Responsibilities included instrument deployment, sample collection and analysis, and data management

### Applied Petroleum Technologies (APT), Corpus Christi, Texas

Environmental Scientist, Environmental Services Division, February 2004 – November 2004

- Collected groundwater, soil, and air samples at several dozen retail fueling stations in south Texas C
- Calibrated and operated multi-parameter water quality probes to improve sampling efficiency C
- Prepared environmental site assessment reports for senior managers and state environmental regulators P
- Trained new technicians in proper sampling techniques and equipment operation T

### Texas A&M University-Corpus Christi (TAMUCC), Corpus Christi, Texas

Research Technician, Division of Nearshore Research, August 2001 – December 2003

- Awarded a Sigma Xi Grant-In-Aid of Research to study the correlation between oilfield brine water discharges and the abundance of certain radionuclides in Corpus Christi Bay
- Analyzed sediment core samples via gamma ray spectroscopy to qualify and quantify sediment radioactivity, and to correlate soil radioactivity with historical brine water discharges
- In cooperation with the Texas Railroad Commission, installed and maintained electronic radon detection equipment and meteorological instruments at a decommissioned uranium mine in south Texas
- Conducted beach profile and sediment surveys to monitor coastal erosion and sediment transport patterns within Corpus Christi Bay
- Evaluated the effects of wastewater treatment facility outflows on benthic organisms in Corpus Christi Bay
- Researched the applicability of biomarkers as indicators of the efficiency of flow-through ballast water exchange on ocean-going vessels

### TRAINING AND CERTIFICATIONS

- Caris HIPS and SIPS Software User Training

*April 2009*

- Seafloor Systems, Inc., Multi-beam Echosounder Training *March 2009*
- Offshore Water Survival and Triton ST03 Helicopter Underwater Egress Training *December 2008*
- Texas A&M University General Radiation Safety Training *September 2008*
- OSHA/RCRA Eight-Hour Health and Safety Refresher Training *May 2008*
- Washington State Parks Commission Boater Education Program *June 2007*
- OSHA/RCRA Eight-Hour Health and Safety Refresher Training *May 2007*
- American Health And Safety Institute First Aid and Adult AED/CPR Training *June 2006*
- U.S. Department of Defense Secret Clearance *May 2006*
- OSHA/RCRA Eight-Hour Health and Safety Refresher Training *May 2006*
- Texas A&M University-Corpus Christi Field and Sampling Techniques *July 2004*
- Texas General Land Office Shoreline Cleanup Assessment Training *August 2003*
- OSHA/RCRA Forty-Hour Health and Safety Training *December 2001*

## **TECHNICAL SKILLS**

Experienced at operating and troubleshooting:

- Bathymetric and hydrographic surveying equipment and instruments
- Navigation and vessel positioning equipment
- Automated water sampling equipment
- Water quality probes and water quality analysis kits
- Sediment core and grab samplers
- Handheld GPS receivers
- Data loggers and radio telemetry transmitters/receivers
- Handheld weather instruments
- Small craft (up to 25 feet long) and outboard motors (up to 150 horsepower)

## **COMPUTER SKILLS**

Proficient with Microsoft Windows, Office, and Internet Explorer; Sea Bird Data Processing, SeaSave, and SeaTerm; YSI EcoWatch; Fugro WinFrog; Hypack Survey; and Caris HIPS/SIPS